Montana Board of Oil and Gas Conservation Environmental Assessment

Operator: Plain Energy USA, LLC
Well Name/Number: Plain Kevin 04-26-36N-04W
Location: NW NW Section 26 T36N R4W
County: Toole , MT; Field (or Wildcat) W/C
Air Quality
(possible concerns)
Long drilling time: 15 to 20 days drilling time.
Unusually deep drilling (high horsepower rig): No, double derrick hydraulic top head
drive drilling rig for a 5075'TD vertical hole, Cambrian Formation test.
Possible H2S gas production: <u>Yes possible H2S.</u>
In/near Class I air quality area: No, no Class I air quality area.
Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required
<u>under 75-2-211.</u>
Mitigation:
_X Air quality permit (AQB review)
Gas plants/pipelines available for sour gas
Special equipment/procedures requirements
Other:
Comments: Double derrick drilling rig to drill a vertical hole to 5075'TD in the
<u>Cambrian Formation.</u>
Water Quality
Water Quality (possible concerns)
Salt/oil based mud: <u>Use freshwater and freshwater mud system on surface and</u>
mainhole to total depth, 5075'.
High water table: None anticipated.
Surface drainage leads to live water: No, no drainages nearby. Closest live water are
prairie potholes, about 4 within ¼ mile radius from this location.
Water well contamination: No, closest water wells are about 1/4 of a mile to the
northeast, 1/2 of a mile to the southeast, 5/8 of a mile to the northwest and 3/4 of a mile to
the northeast of this location. Depth of these stock and domestic water wells range from
108' and 225'. Surface casing hole will be drilled with freshwater and freshwater muds to
530' and steel surface casing run and cemented to surface.
Porous/permeable soils: No, rocky, sandy silty bentonitic soils.
Class I stream drainage: No Class I stream drainage.
Mitigation:
Lined reserve pit
_X Adequate surface casing
Berms/dykes, re-routed drainage
Closed mud system
Off-site disposal of solids/liquids (in approved facility)
Other:
Comments: 530' of surface casing cemented to surface adequate to protect
freshwater zones. Also, fresh water mud systems to be used on surface hole.

Soils/Vegetation/Land Use

(possible concerns)
Steam crossings: None anticipated.
High erosion potential: No, moderate cut, up to 13.0' and moderate fill required up to
12.2', required.
Loss of soil productivity: No, location will be restored after drilling, if nonproductive. If
productive unused portion of drillsite will be reclaimed.
Unusually large wellsite: No, large, 350'X320' location size required.
Damage to improvements: Slight, surface use is grassland.
Conflict with existing land use/values: Slight
Mitigation
Avoid improvements (topographic tolerance)
Exception location requested
X Stockpile topsoil
Stream Crossing Permit (other agency review)
X Reclaim unused part of wellsite if productive
Special construction methods to enhance reclamation
Other
Comments: <u>Using existing county roads, Rim Road. Access off of Rim Road,</u> approximately 2300' of new road will be constructed into this location. Cuttings will mixed
buried in the earthen reserve pit. Drilling fluids will be allowed to dry in the earthen pit,
prior to mix burial of the cuttings. No special concerns.
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Health Hazards/Noise
(possible concerns)
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Wildlife/recreation

(possible concerns)

Proximity to sensitive wildlife areas (DFWP identified): None, identified Proximity to recreation sites: None identified.

Creation of new access to wildlife habitat: No

Conflict with game range/refuge management: No
Threatened or endangered Species: Species identified as threatened or endanger in Toole County is the Black-footed Ferret. Candidate species is the Sprague's Pipit. NH

Tracker website lists the following species of concern, Hoary Bat, Golden Eagle and
Ferruginous Hawk.
Mitigation:
Avoidance (topographic tolerance/exception)
Other agency review (DFWP, federal agencies, DSL)
Screening/fencing of pits, drillsite
Other:
Comments: Private surface grasslands. Drilling of this well should not impact
any of species listed above. No concerns
Historical/Cultural/Paleontological
(possible concerns)
Proximity to known sites None identified
Mitigation
avoidance (topographic tolerance, location exception)
other agency review (SHPO, DSL, federal agencies)
Other:
Comments: Private surface grasslands. No concerns.
Social/Economic
(possible concerns)
Substantial effect on tax base
Create demand for new governmental services
Population increase or relocation
Comments: No concerns
Comments140 concerns
Remarks or Special Concerns for this site
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(subject discussed)
July 26, 2011
(date)
US Fish and Wildlife, Region 6 website
(Name and Agency)
ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES
MONTANA COUNTIES, Toole County
(subject discussed)
(Subject discussed)
_July 26, 2011
(date)
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Montana Natural Heritage Program Website
(Name and Agency)
Heritage State Rank= S1, S2, S3 T36N R4W
(subject discussed)
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(date)
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If location was inspected before permit approval:
Inspection date:
Inspector:
Others present during inspection: